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Product Datasheet

Dog HSP70(HeatShock Protein 70) ELISA Kit EBT-ELK0467

Article Name	Dog HSP70(HeatShock Protein 70) ELISA Kit
Biozol Catalog Number	EBT-ELK0467
Supplier Catalog Number	ELK0467
Alternative Catalog Number	EBT-ELK0467-96, EBT-ELK0467-48, EBT-ELK0467-96X5
Manufacturer	ELK Biotechnology
Category	Kits/Assays
Species Reactivity	Canine
Concentration	50 ng/mL
Range	0.78-50 ng/mL
Sensitivity	0.31 ng/mL
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Application Notes

Assay Type: Sandwich. Assay length: 3.5h. Research Area: Tumor immunity, Infection immunity, Developmental science,. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Dog HSP70. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Dog HSP70. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Dog HSP70, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm 10nm. The concentration of Dog HSP70 in the samples is then determined by comparing the OD of the samples to the standard curve